

REVISION DATE
7-13-01

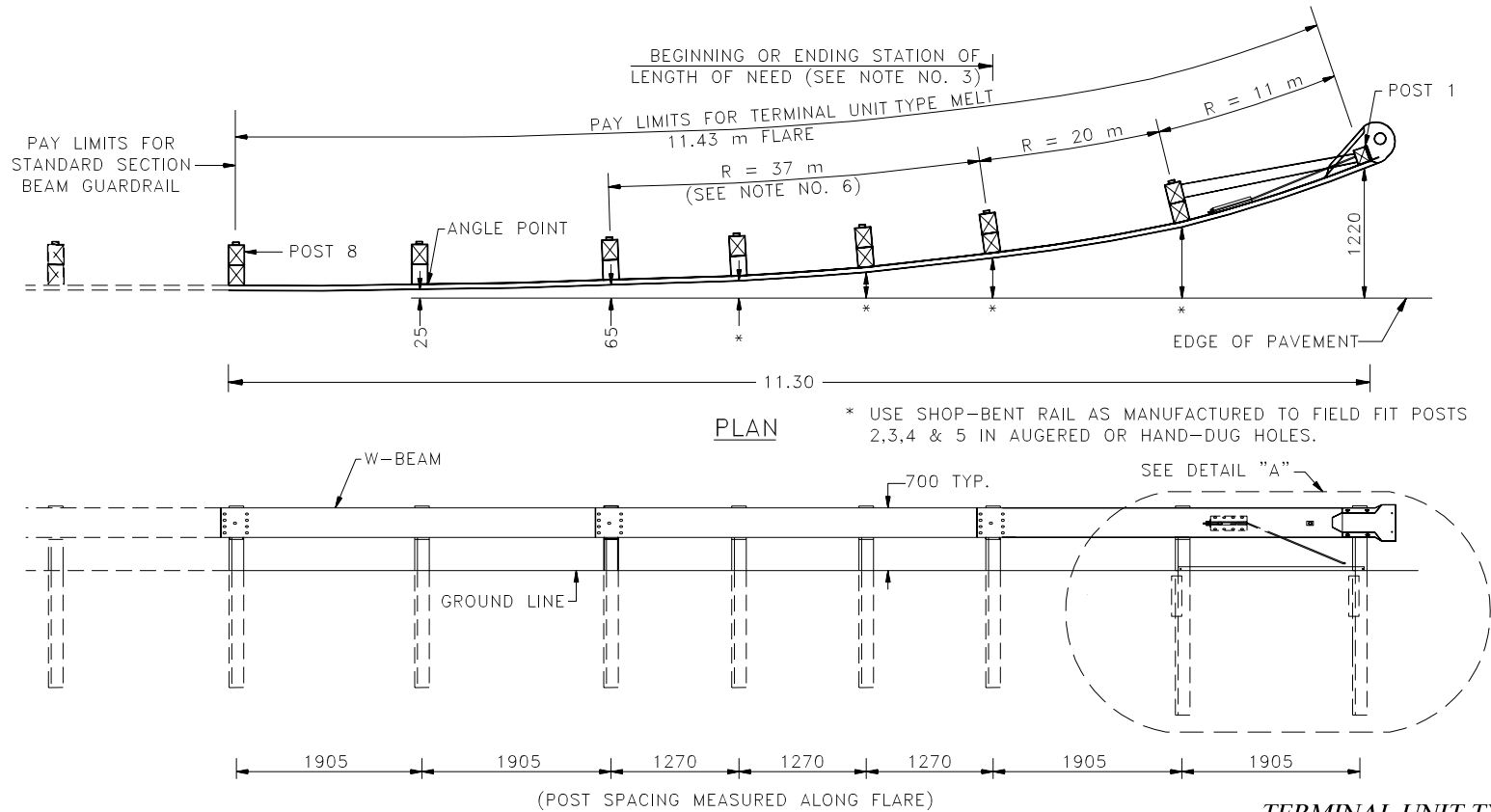
\*.DGN FILE NAME  
GR-4A

STANDARD PLANS

STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION, CONCORD, N.H.



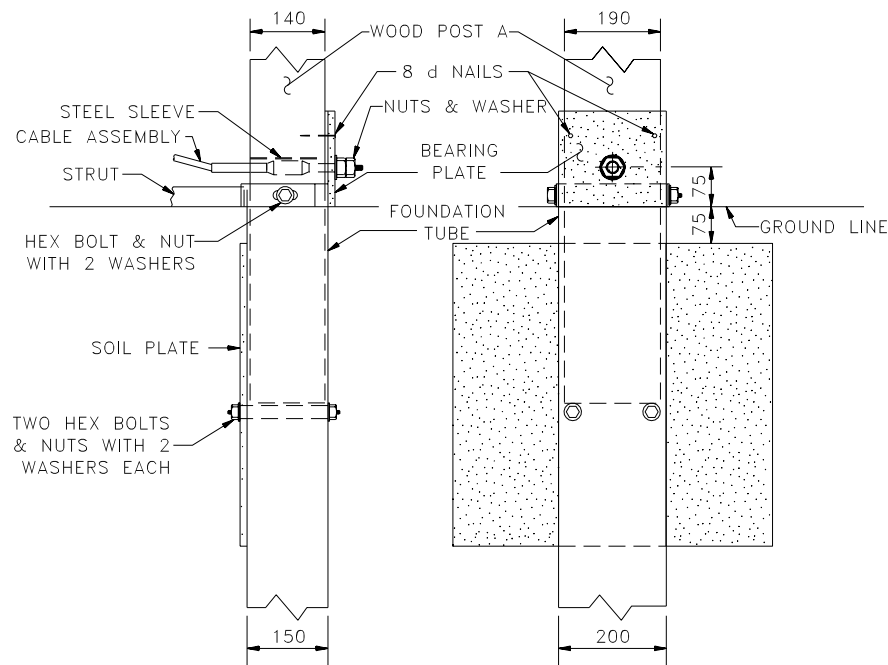
MODIFIED ECCENTRIC LOADER TERMINAL - MELT



ELEVATION  
LAYOUT DETAILS

TERMINAL UNIT TYPE MELT

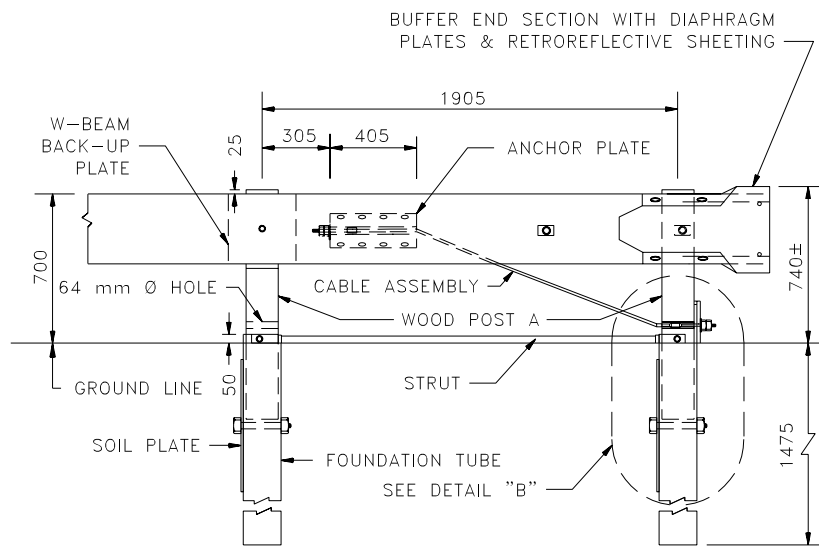
ITEM NO. 606.1451 - BEAM GUARDRAIL (TERMINAL UNIT TYPE MELT)  
PAID: UNIT  
USE: AT BEGINNING OR END OF STANDARD SECTION GUARDRAIL



SIDE VIEW

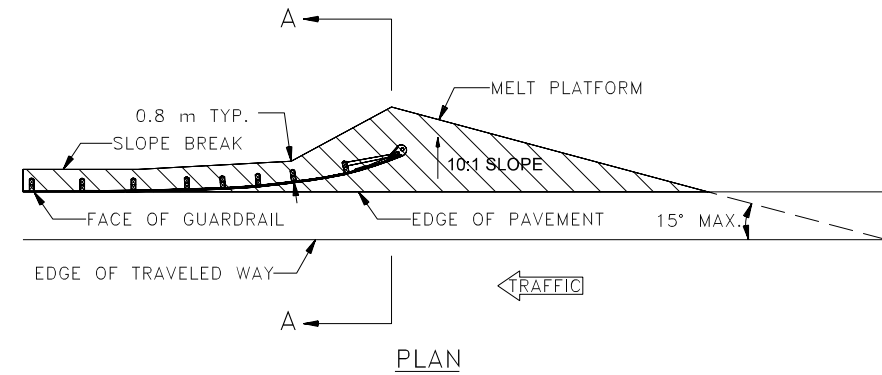
END VIEW

DETAIL "B"



DETAIL "A"

BREAKAWAY NOSE SECTION



PLAN

SECTION A-A

GRADING DETAILS

GENERAL NOTES

1. TERMINAL UNIT TYPE MELT IS APPROVED FOR USE ONLY ON NON-NHS (NATIONAL HIGHWAY SYSTEM) ROADWAYS WITH A POSTED SPEED LIMIT OF 40 MPH OR LESS. THIS TERMINAL WILL BE USED ONLY IN SPECIAL SITUATIONS DUE TO SITE CONDITIONS WHERE IT MAY BE MORE APPROPRIATE, AND ITS USE WILL REQUIRE APPROVAL FROM THE DIRECTOR OR ASSISTANT DIRECTOR OF PROJECT DEVELOPMENT.
2. THE CORRECT ASSEMBLY AND INSTALLATION OF THIS TERMINAL UNIT, INCLUDING THE LAYOUT OF THE 11.43 m FLARE, IS IMPORTANT TO ITS PROPER PERFORMANCE.
3. THE LENGTH OF NEED IS THE TOTAL LENGTH OF A LONGITUDINAL BARRIER NEEDED TO SHIELD AN AREA OF CONCERN. TO DETERMINE THE LENGTH OF NEED, REFER TO THE *ROADSIDE DESIGN GUIDE* - AASHTO, 1996.
4. THE AREA OUTSIDE AND DOWNSTREAM OF THE FIRST 3810 mm (BREAKAWAY NOSE SECTION) OF THE MELT SHOULD BE REASONABLY TRAVERSABLE AND FREE OF FIXED-OBJECT HAZARDS TO THE EXTENT PRACTICAL. IF A CLEAR RUNOUT IS NOT ATTAINABLE, THIS AREA SHOULD AT LEAST BE SIMILAR IN CHARACTER TO UPSTREAM, UNSHIELDED ROADSIDE AREAS.
5. SEE STANDARDS NO. GR-4B & GR-4C FOR MELT HARDWARE DETAILS. SEE STANDARD NO. GR-1 FOR ADDITIONAL DETAILS OF COMMON HARDWARE.
6. THE TWO 1905 mm W-BEAM RAIL ELEMENTS FOR POST 1 TO 6 SHALL BE SHOP-BENT TO THE RADIUS SPECIFIED. THE 1905 mm ELEMENT FOR POSTS 6 TO 8 SHALL BE SHOP BENT TO PRODUCE THE ANGLE POINT SPECIFIED AT POST 7.

1 OF 3

GUARDRAIL STANDARD

BEAM GUARDRAIL  
TERMINAL UNIT TYPE MELT

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS OR METERS.  
WHOLE NUMBERS INDICATE MILLIMETERS; DECIMAL  
NUMBERS INDICATE METERS UNLESS OTHERWISE NOTED.

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